

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Canceled)
2. (Currently amended) ~~The printer of claim 1,~~ An ink jet printer, comprising:
an ink heating device for heating an ink whose viscosity decreases as
temperature increases;
a printing head for jetting the ink heated by the heating device onto a recording
medium;
a carrying device for carrying the recording medium while supporting the
recording medium to face a nozzle-plate of the printing head; and
a cooling device for cooling the recording medium in an upstream side, with
respect to a position where the ink placed on the recording medium is cured, in a
carrying direction of the recording medium by the carrying device,
wherein the cooling device and the ink heating device are connected to be
capable of conducting heat, and
wherein the ink heating device heats ~~[[an]]~~ the ink by utilizing ~~[[a]]~~ heat radiation
~~which is generated from the cooling device by cooling the recording medium.~~
3. (Original) The printer of claim 2, wherein the cooling device and the ink heating device are connected by a heat pipe.

4. (Currently amended) The printer of claim ~~[[1]]~~ 2, wherein the cooling device ~~comprises~~ includes a peltier device.

5. (Currently amended) The printer of claim ~~[[1]]~~ 2, wherein the cooling device ~~comprises~~ includes a frigistor device.

6. (Currently amended) ~~The printer of claim 1,~~ An ink jet printer comprising:
an ink heating device for heating an ink whose viscosity decreases as
temperature increases;

a printing head for jetting the ink heated by the heating device onto a recording
medium;

a carrying device for carrying the recording medium while supporting the
recording medium to face a nozzle-plate of the printing head;

a cooling device for cooling the recording medium in an upstream side, with
respect to a position where the ink placed on the recording medium is cured, in a
carrying direction of the recording medium by the carrying device; and

~~further comprising~~ a cap member to cover the nozzle-plate at a time of
maintenance of the printing head, the cap member being separated from the nozzle-
plate at a time of image recording,

wherein the cooling device cools the recording medium between the cap member
and the printing head at ~~[[a]]~~ the time of image recording, and

wherein the cooling device is removed from a position where the recording
medium is cooled at a time of maintenance.

7. (Original) The printer of claim 6, wherein a rotary shaft is provided at one end side or the other end side of the cooling device so as to be spaced from the nozzle-plate of the printing head, the rotary shaft extending along a direction perpendicular to the carrying direction, and the cooling device is removed from the position where the recording medium is cooled by rotating the cooling device about 90 degrees around the rotary shaft as a center.